

FORM PTO-1390
(REV. 01-2003)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER

04556/HG

U.S. APPLICATION NO. (If known, see 37 CFR 1.5

10/507539INTERNATIONAL APPLICATION NO.
PCT/JP03/03289INTERNATIONAL FILING DATE
March 18, 2003PRIORITY DATE CLAIMED
May 16, 2002TITLE OF INVENTION APPARATUS FOR CONTINUOUS DISSOLUTION, PROCESS FOR CONTINUOUS
DISSOLUTION AND APPARATUS FOR SUPPLYING WATER CONTAINING DISSOLVED GAS

APPLICANT(S) FOR DO/EO/US HIROSHI MORITA; Junichi IDA; Kazumi TSUKAMOTO

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☒ A change of correspondence address letter (Form PTO/SB/122)
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:

- (a) copy of REQUEST for PCT/JP03/03289
- (b) copy of Form PCT/IB/308 for PCT/JP03/03289
- (c) copies of first two pages of WO 03/097223
(published application of PCT/JP03/03289)
- (d) copy of International Search Report (Form PCT/ISA/210) with
English-language translation thereof for PCT/JP03/03289
- (e) REQUEST FOR PUBLICATION OF ASSIGNMENT
INFORMATION
- (f) Formal Drawings (Figs. 1 and 2, two sheets)

Express Mail Mailing Label
No.: EV 443 226 722 US
Date of Deposit: SEPTEMBER 13, 2004I hereby certify that this paper is being
deposited with the United States Postal
Service "Express Mail Post Office to
Addressee" service under 37 CFR 1.10 on the
date indicated above and is addressed to
the Commissioner for Patents,
P.O. Box 1450, Alexandria, VA 22313-1450*Dorothy DeFrancesco*
Dorothy DeFrancesco

U.S. APPLICATION NO. (if any) 10/507539		INTERNATIONAL APPLICATION NO. JP03/03289		ATTORNEY'S DOCKET NUMBER 04556/HG	
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<p>21. <input checked="" type="checkbox"/> The following fees are submitted:</p> <p>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</p> <p>Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1080.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$920.00</p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$770.00</p> <p>International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$730.00</p> <p>International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00</p> <p style="text-align: center;">ENTER APPROPRIATE BASIC FEE AMOUNT =</p>				CALCULATIONS PTO USE ONLY	
<p>Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).</p>				<p>\$ 920.00</p>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	- 20 =		x \$18.00	\$	
Independent claims	- 3 =		x \$86.00	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$290.00 \$	
TOTAL OF ABOVE CALCULATIONS =				\$	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
SUBTOTAL =				\$ 920.00	
<p>Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</p>				\$	
TOTAL NATIONAL FEE =				\$	
<p>Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +</p>				\$ 40.00	
TOTAL FEES ENCLOSED =				\$ 960.00	
				Amount to be refunded:	\$
				charged:	\$

a. ☒ A check in the amount of \$ 960.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
overpayment to Deposit Account No. 06-1378. A duplicate copy of this sheet is enclosed.

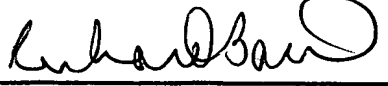
d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card
information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a)
or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:
FRISHAUF, HOLTZ, GOODMAN & CHICK, P.C.
767 Third Avenue - 25th Floor
New York, NY 10017-2023

CUSTOMER NO: 01933
Tel. No. (212) 319-4900
Fax No. (212) 319-5101

Date: **SEPTEMBER 13, 2004**


SIGNATURE
Richard S. Barth
NAME
28,180
REGISTRATION NUMBER

10/507539

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

DT09 Rec'd PCT/PTO 13 SEP 2004

Applicants : Hiroshi MORITA et al
Serial No. : To be assigned (U.S. National
Phase of PCT/JP03/03289)
Filed : Concomitantly Herewith
For : APPARATUS FOR CONTINUOUS
DISSOLUTION, PROCESS FOR
CONTINUOUS DISSOLUTION AND
APPARATUS FOR SUPPLYING WATER
CONTAINING DISSOLVED GAS

Docket No. : 04556/HG

Customer No.: 01933

**REQUEST FOR PUBLICATION OF
ASSIGNMENT INFORMATION**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

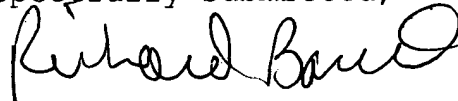
ATTENTION: MAIL STOP PCT

S I R :

It is requested that the following assignment information be published as part of the 18-month publication of the present application:

KURITA WATER INDUSTRIES LTD.
4-7, Nishi-Shinjuku 3-chome,
Shinjuku-ku, Tokyo 160-8383
JAPAN

Respectfully submitted,



Richard S. Barth
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Date of Deposit: September 13, 2004
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addressed to the
Commissioner for Patents,
P.O. Box 1450,
Alexandria, VA 22313-1450


Dorothy DeFrancesco

In the event that this Paper is late
filed, and the necessary petition
for extension of time is not filed
concurrently herewith, please consider
this as a Petition for the requisite
extension of time, and to the extent
not tendered by check attached hereto,
authorization to charge the extension
fee, or any other fee required in
connection with this Paper to
Account No. 06-1378.